Section F Nuclear Facility D&D, River Corridor (RL-0041)





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PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

Facilities

Completed demolition of the 190KW Main Pump House Structure.

Base

Facilities

The conceptual design/construction specifications for the 105KE Reactor Disposition Interim Safe Storage (ISS) were completed. Initial review of the conceptual design began in November.

Continued sediment load-out of 183.2KE Basin.

Continued with erecting, scaffolding and demolition preparation at 183.7 Structure.

Completed asbestos abatement on 105KE tunnel.

EMS OBJECTIVES AND TARGET STATUS

EMS Objectives and Target Status for RL-0041 are included as part of the Objectives and Target Status for RL-0040.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	0	22	N/A
Near-Misses	0	0	N/A



KEY ACCOMPLISHMENTS

ARRA

Facilities

Completed demolition of 190KW Main Pump House.

Base

Facilities

- 105KE ISS, Conducted 30% Conceptual Design Review of the SSE conceptual design package and review of the Conceptual Design Report.
- Received Hanford Fire Marshal approval of the 105KE ISS Fire Protection
 Interpretation/Clarification Request (ICR) which was issued to document CHPRC's SSE fire
 protection approach and seek exemption concurrence from the Hanford Fire Marshal's Office.
- Prepared the statement of work/request for solicitation (SOW/RFS) and work package for repair of the 105KE reactor building openings by EPC.
- Continued sediment load-out of 183.2KE Basin sediment.
- Continued with asbestos abatement of 105KE tunnel.
- Continued with erecting scaffolding and demolition preparation at 183.7 Structure.

Waste Sites

- Completed Planning and Scoping for Area AA Zone 1. AA Zone 1 Issued Excavation Release Checklist.
- Commenced Pipe Removal and remediation of AA Zone 1. Began Shipment of Pipe removed to ERDF.
- The Memorandum of Understanding (MOA) for Area AM is being reviewed. Work on the removal of the 1908K Structure and waste sites 100-K-80, 96, 81, 83, and 116-K-3 will not begin until the MOA is agreed upon.

MAJOR ISSUES

Issue – RL-0041 Waste Site Remediation will not be able to complete the remediation work scope tied to waste sites 100-K-57 and 100-K-64 by December 31, 2012. The sites are located in an area of extreme cultural sensitivity. The inability to complete this work by December 31, 2012, is being driven by the lack of an approved cultural resources mitigation action plan.

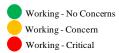
Corrective Action – Move this waste site from TPA Phase 1 to TPA Phase 3.

Status – CHPRC drafted a TPA change package for RL to present to EPA for approval that will move this waste site from TPA Phase 1 to TPA Phase 3. RL presented the change package to EPA, but EPA is not inclined to move the sites into a later TPA Phase.



RISK MANAGEMENT STATUS

Unassigned Risk Risk Passed New Risk





D: 1 (E)(1	Did Co. of MI Di	Assessment		Comments		
Risk Title	Risk Strategy/Handling	Month Trend		Comments		
WSR-007: More Extensive Contamination Than Expected	Cannot control extent of contamination; no mitigation.	•	~	Level of containation identified at waste site 116-KE-3 has been determined to be greater than what was anticipated.		
WSR-009: Different Remediation Approach	Clean up remedies are consistent with direction received from RL in the PRC. There is a risk that the regulators will require a different cleanup remedy that what is planned.	•	-	It has been demonstrated that with ISS of 105KE, two significant plumes will not be fully remediated under the RTD. The project is researching a long-term (i.e. 75 year) low cost stabilization that will retard water movement through the contimanted zone. Failure to retard precipitation will result in additional contamination to the ground water and possibly the Columbia river unless more drastic measures are taken. There are alternative remediation strategies being discussed for the following sites: 100-K-42 / UPR-100-K-1 (Fuel Storage Basin); 100-K-57 and 100-K-64 (100K East Flood Plain); and 100-KE-1 (Ventilation Condensate Cribe with Carbon-14 and Tritium). The client is being kept informed on developments.		
KBC-020: Ecological/Cultural Conditions Restrict Field Activities	This risk will be monitored throughout work execution.		~	Due to the complexities of the MOA process, it is not likely and it is too early to tell if remediation can be accomplished by December 13, 2012, putting the associated TPA Milestone (M-016-53: due December 31, 2012) at risk.		
KBC-044: 100 K Waste Sites Require Haz Cat Controls	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.		-	Additional direct pushes and associated logging, along with pothole samples are being looked at as an option to better understand the path of contamination movement to the east and west and to the south around 105KE Reactor and former fuel storage basin. Logging data and sapmle results will be evaluated and used to assess the radiological inventory around and under the 105KE Reactor building.		
KBC-045: 100 K East Basin Soil Disposition	Treatment will likely be in the form of waste blending in accordance with DSA for that site.	•	~	This situation continues to be managed as load out effort continues from the 100-K-42 waste site.		
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activites, the existing and historical records are reviewed to identify areas of likely indrustial contamination.	•	1	Field determination identified esixting pipeline that had previously identified in site documents to have been used for raw water was actually used to carry some contaminates and requires remediation (100-K-102)		
WSR-047: Unforseen Waste Site Event	Perform routine surveillances and maintenance of waste sites inclding herbicide application.	•	1	Lead pipe joints identified during field walkdown		
SGW-090: Contaminated Subcontractor Equipment	Perform radilogical surveys prior to initating activities. Perform rad surveys of equipment prior to release of the site. If the equipment becomes contaminated, attempt to remove contaminated portions.	•	1	Subcontractor equipment radiologically contaminated beyond ability to successfully decontaminate		



PROJECT BASELINE PERFORMANCE Current Month

(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
ARRA	1.5	1.0	1.5	(0.5)	-35.0	(0.5)	-52.5
Base	<u>2.1</u>	<u>1.3</u>	<u>2.9</u>	(0.8)	-38.4	(1.6)	-119.6
Total	3.6	2.3	4.4	(1.3)	-37.0	(2.1)	-90.7

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Performance: (-\$0.5M/-35.0%)

Waste Sites (-\$0.1M) The variance is within reporting threshold.

100K Area Project (Facilities and Others) (-\$0.4M) The variance is within reporting threshold.

CM Cost Performance: (-\$0.5M/-52.5%)

Waste Sites (+\$0.2M) The positive variance is within reporting threshold.

100K Area Project (-\$0.7M) The variance is within reporting threshold.

Base

CM Schedule Performance (-\$0.8M/-38.4%)

Waste Sites (-\$0.6M) The negative schedule variance is due to Area AM not being worked as schedule due to the MOA not being approved.

100K Area Project (Facilities and Others) (-\$0.2M) The negative variance is within reporting threshold.

CM Cost Performance (-\$1.6M/-119.6%)

Waste Sites (-\$1.6M) The negative cost variance is due to completing last year's waste sites this year with no funding available.

100K Area Project (+0.0M) The variance is within reporting threshold.



Contract-to-Date (\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Variance	Schedule Variance (%)		Cost Variance (%)	•	Estimate at Completion (EAC)	
ARRA	177.1	177.3	178.0	0.2	0.1	(0.6)	-0.3	179.7	181.8	(2.0)
Base	<u>82.4</u>	<u>84.0</u>	<u>69.5</u>	<u>1.7</u>	2.0	<u>14.5</u>	17.2	312.8	<u>303.1</u>	<u>9.7</u>
Total	259.5	261.3	247.5	1.9	0.7	13.9	5.3	492.6	484.9	7.7
Numbers are rounded to the pagest \$0.1M										

ARRA

CTD Schedule Performance: (+\$0.2M/+0.1%)

Waste Sites (+\$0.1M) The variance is within reporting thresholds.

100K Area Project (+\$0.1M) The variance is within reporting threshold.

CTD Cost Performance: (-\$0.6M/-0.3%)

Waste Sites (+\$8.3M) The positive cost variance is due to Confirmatory Sampling No Action (CSNA) sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost.

100K Area Project (-8.9M) The negative cost variance is due to numerous design changes and additional punch list items in the Utilities Reroute project; this also resulted in the project utilizing more vehicles and equipment than was originally planned as well as the Project Management costs to rise due to the corresponding increases for both labor and materials.

Base

CTD Schedule Performance (+\$1.7M/+2.0%)

Waste Sites (+\$1.7M) The positive schedule variance is due mainly to CSNA sites that were completed ahead of schedule partially offset by delays with receiving approval of the MOA to work Area AM. 100K Area Project (Facilities and Others) (-\$0.1M) The positive schedule variance is within threshold.

CTD Cost Performance (+\$14.5M/+17.2%)

Waste Sites (+\$10.6M) The positive cost variance is due to CSNA sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost, as well as level-of-effort activities bearing additional costs for increased functional group support.

100K Area Project (Facilities and Others) (+\$3.9M) The positive cost variance is due to 105KE Reactor Disposition – ISS underrun as well as G&A and Direct Distributables.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

Contract Performance Report Formats are provided in Appendix A.



FUNDS vs. SPEND FORECAST (\$M)

	FY2						
WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Projected Funding	Spending Forecast	Spend Variance				
ARRA	6.5	6.5	0.0				
Base	36.1	36.7	(0.6)				
Numbers are rounded to the nearest \$0.1M.							

Funds/Variance Analysis:

Funding includes FY2011 carryover and FY2012 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H. clause entitled Self-Performed Work is addressed in the Monthly Report Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

